

WHAT IS CLAIMED IS:

1. A magnetic head slider comprising a magnetic head for recording/reproducing information from/into a magnetic disk and a slider on which the magnetic head is mounted, wherein said slider has a first positive pressure generating portion provided at an air-inflow side and a positive pressure generating portion surface provided at an air-outflow side, projections being provided at the air-inflow side at positions with respect to said first positive pressure generating portion on a first surface which faces the magnetic disk upon read/write operation of the magnetic head slider.

2. A magnetic head slider according to claim 1, wherein said slider has a step surface provided at the air-inflow side with respect to said first positive pressure generating portion and having a level lower than said first positive pressure generating portion, and at least a negative pressure generation portion is provided at the air-outflow side and having a level lower than said step surface, said projections being provided on said step surface which is said first surface.

3. A magnetic head slider according to claim 2, wherein a difference in the levels of said positive pressure generating portion surface and said step surface is less than 300 nm.

4. A magnetic head slider according to claim 3, wherein a difference in the levels of said first positive pressure generating portion and said step surface is less than 200 nm.

5. A magnetic head slider according to claim 2, wherein said first positive pressure generating portion and said step surface constitute a flying pad.

6. A magnetic head slider according to claim 1, wherein said projections have a cylindrical shape and a diameter of 0.01-0.1 mm.

7. A magnetic head slider according to claim 1, wherein said projections have a planar end surface.

8. A magnetic head slider according to claim 1, wherein said projections have a curved end surface.

9. A magnetic head slider according to claim 2, wherein said first surface includes a central step surface provided at a center of said first positive pressure generating portion in a widthwise direction of the slider.

10. A magnetic head slider according to claim 9, wherein said central step surface has a level substantially the same as said step surface.

11. A magnetic head slider according to claim 1, wherein said second positive pressure generating portion is provided at a center in a widthwise direction of the slider.

13. A magnetic head slider according to claim 1, wherein said projections are provided outside of said first positive pressure generating portion in a widthwise direction of the slider.

14. A magnetic head slider according to claim 1, wherein said first positive pressure generating portion and said second positive pressure generating portion are separated by a third negative pressure generation portion having a level which is lower than a level of said first positive pressure generating portion and said second positive pressure generating portion.

15. A magnetic disk apparatus comprising a magnetic head slider including a magnetic head for recording/reproducing information from/into a magnetic disk and a slider on which the magnetic head is mounted, wherein said slider has a first positive pressure generating portion provided at an air-inflow side and a second positive pressure generating portion

provided at an air-outflow side, projections being provided at the air-inflow side at positions with respect to said first positive pressure generating portion on a first surface which faces the magnetic disk upon read/write operation of the magnetic head slider.

16. A magnetic disk apparatus according to claim 15, wherein said slider has a step surface provided at the air-inflow side with respect to said first positive pressure generating portion and having a level lower than said first positive pressure generating portion, and at least a negative pressure generation portion surface provided at the air-outflow side and having a level lower than said step surface, said projections being provided on said step surface which is said first surface.

17. A magnetic disk apparatus according to claim 16, wherein a difference in the levels of said first positive pressure generating portion and said step surface is less than 300 nm.

18. A magnetic disk apparatus according to claim 17, wherein a difference in the levels of said first positive pressure generating portion and said step surface is less than 200 nm.

19. A magnetic disk apparatus according to claim 16, wherein said first positive pressure generating portion and said step surface constitute a flying pad.

20. A magnetic disk apparatus according to claim 15, wherein said projections have a cylindrical shape and a diameter of 0.01-0.1 mm.

21. A magnetic disk apparatus according to claim 15, wherein said projections have a planar end surface.

22. A magnetic disk apparatus according to claim 15, wherein said projections have a curved end surface.

23. A magnetic disk apparatus according to claim 16, wherein said first surface includes a central step surface provided at a center of the first positive pressure generating portion in a widthwise direction of the slider.

24. A magnetic disk apparatus according to claim 23, wherein said central step surface has a level substantially the same as said step surface.

25. A magnetic disk apparatus according to claim 15, wherein said second positive pressure generating portion is provided at a center in a widthwise direction of the slider.

26. A magnetic disk apparatus according to claim 15, wherein said projections are provided outside of the first positive pressure generating portion in a widthwise direction of the slider.

27. A magnetic disk apparatus according to claim 15, wherein said first positive pressure generating portion and said second positive pressure generating portion are separated by a third negative pressure generation portion having a level which is lower than a level of said first positive pressure generating portion and said second positive pressure generating portion.